PA NT COOPERATION TREAT

	From the INTERNATIONAL BUREAU
PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE
Date of mailing (day/month/year) 28 January 1999 (28.01.99)	in its capacity as elected Office
International application No. PCT/US98/13280	Applicant's or agent's file reference 6741/KL
International filing date (day/month/year) 26 June 1998 (26.06.98)	Priority date (day/month/year) 26 June 1997 (26.06.97)
Applicant ROSELLE, Brian, Joseph et al	
in a notice effecting later election filed with the Inte	ry Examining Authority on: r 1998 (29.12.98)
The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Ting Zhao

Telephone No.: (41-22) 338.83.38

ENT COOPERATION TREATY

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COMMUNICATION IN CASES FOR WHICH NO OTHER FORM IS APPLICABLE

United States Patent and Trademark Office (Box PCT) Crystal Plaza 2 Washington, DC 20231 ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 02 February 1999 (02.02.1999)	
Applicant's or agent's file reference 6741/KL	REPLY DUE see paragraph 1 below
International application No. PCT/US98/13280	International filing date (day/month/year) 26 June 1998 (26.06.1998)
Applicant THE PROCTER & G	AMBLE COMPANY
REPLY DUE within months/days from the NO REPLY DUE, however, see below IMPORTANT COMMUNICATION INFORMATION ONLY	above date of mailing
 COMMUNICATION: The International Bureau acknowledges receipt of 6 Pointernational application. Please note that applicants GEIS, CHUNG and TRINF Please clarify. Many thanks and best regards, 	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Céline Faust

Facsimile No. (41-22) 740.14.35

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WORLD INTELLECTUAL PROPERTY ORGANIZATION International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(57) Abstract

Basic cleaning compositions using toxicologically-acceptable ingredients for treating food such as produce, e.g., fruits and vegetables, and edible animal proteins are provided. Liquid formulations comprising, optionaly, less than about 0.5% detergent surfactant, such as potassium alkyl sulfate, that does not affect palatability and basic buffer to provide a pH of at least 10.5 are applied to food products immediately before consumption and allowed to stay for at least about one half minute to significantly reduce microorganism contamination. The food can be consumed without rinsing.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL AM AT AU AZ BBA BBE BF BG BJ BR CA CF CG CH CI CM CN CU CZ DE DK EE	Albania Armenia Austria Austria Australia Azerbaijan Bosnia and Herzegovina Barbados Belgium Burkina Faso Bulgaria Benin Brazil Belarus Canada Central African Republic Congo Switzerland Côte d'Ivoire Cameroon China Cuba Czech Republic Germany Denmark Estonia	ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP LC LI LK LR	Spain Finland France Gabon United Kingdom Georgia Ghana Guinea Greece Hungary Ireland Israel Iceland Italy Japan Kenya Kyrgyzstan Democratic People's Republic of Korea Republic of Korea Kazakstan Saint Lucia Liechtenstein Sri Lanka Liberia	LS LT LU LV MC MD MG MK ML MN MR MW MX NE NL NO NZ PL PT RO RU SD SE SG	Lesotho Lithuania Luxembourg Latvia Monaco Republic of Moldova Madagascar The former Yugoslav Republic of Macedonia Mali Mongolia Mauritania Malawi Mexico Niger Netherlands Norway New Zealand Poland Portugal Romania Russian Federation Sudan Sweden Singapore	SI SK SN SZ TD TG TJ TM TR TT UA UG US UZ VN YU ZW	Slovenia Slovakia Senegal Swaziland Chad Togo Tajikistan Turkmenistan Turkey Trinidad and Tobago Ukraine Uganda United States of America Uzbekistan Viet Nam Yugoslavia Zimbabwe
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Inte Application No PCT/US 98/13280

ording to	International Patent Classification (IPC) or to both national classification and IPC	
FIELDS S	SEARCHED cumentation searched (classification system followed by classification symbols)	
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cumentati	ion searched other than minimum documentation to the extent that such documents are included in ${f t}$	he fields searched
	and the search	terms used)
ectronic da	lata base consulted during the international search (name of data base and, where practical, search	
DOCUM	ENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.
ategory "	Citation of document, with indication, where appropriate, of the relevant passages	
	WO 97 15202 A (PROCTER & GAMBLE) 1 May 1997	1-3,8,9, 12,15, 18-21
	see claims see page 5, line 23 - line 29 see page 10, line 1 - line 4 see page 14, line 31 - page 15, line 5	1.0.00
A	WO 97 01623 A (PROCTER & GAMBLE) 16 January 1997	1-3,8,9, 12,15, 18-21
	see claims	1 2 9 0
A	WO 97 01288 A (PROCTER & GAMBLE) 16 January 1997	1-3,8,9, 12,15, 18-21
	see claims	
	runther documents are listed in the continuation of box C. X Patent family mem	bers are listed in annex.
ــا		ed after the international filling date t in conflict with the application the
"A" docu	ument defining the general state of the art which is not cited to understand the invention invention.	e principle or theory underlying the
filin	ng date cannot be considered involve an inventive significant which may throw doubts on priority claim(s) or wy document of particular "Y" "Y" "Y" "Y" "Y" "Y" "Y" "Y" "Y" "Y	tep when the document is taken alone relevance; the claimed invention
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late	sument published prior to the international filing date but ter than the priority date claimed "8" document member of the resiling of the	the same patent family international search report
Date of	the actual compliation of trieditermational 3000.	
	8 October 1998	
Name a	and mailing address of the ISA European Patient Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Lepretre	_
1	Tel. (+31-70) 340-2040. Tx. 31 651 epo ml. Lepretre	L.

information on patent family members

Application No PCT/US 98/13280

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9715202 A	01-05-1997	EP 0857024 A	12-08-1998
WO 9701623 A	16-01-1997	AU 6112496 A CA 2225535 A EP 0836638 A US 5749924 A	30-01-1997 16-01-1997 22-04-1998 12-05-1998
WO 9701288	A 16-01-1997	AU 5978196 A AU 6342796 A EP 0835063 A EP 0835065 A WO 9701290 A	30-01-1997 30-01-1997 15-04-1998 15-04-1998 16-01-1997



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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

	ents	file reference		See Notific	eation of Transmittal of International
Applicant's or agent's file reference 6741/KL		FOR FURTHER ACTION	FOR FURTHER ACTION Preliminary Examination Report (Form PCT/IPE/		
		- No	International filing date (day/	month/year)	Priority date (day/month/year)
International application No.		26/06/1998		26/06/1997	
PCT/US98/13280 26/06/1996 International Patent Classification (IPC) or national classification and IPC					
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pplicant					
THE PROC	TER	& GAMBLE COMP	PANY et al.		
I. This inte	rnation	onal preliminary exar itted to the applicant	nination report has been pr according to Article 36.	epared by this In	ternational Preliminary Examining Authority
2. This RE	POR	T consists of a total of	of 5 sheets, including this o	over sheet.	
☐ Thi bee (se	s rependent	ort is also accompan lended and are the b e 70.16 and Section	ied by ANNEXES, i.e. shee asis for this report and/or s 607 of the Administrative It	ts of the descript heets containing hstructions under	ion, claims and/or drawings which hav rectifications made before this Authority the PCT).
These	anne	ces consist of a total	or snecto.		
3. This re	port «	contains indications r	elating to the following item	s:	
			elating to the following item	s:	
1	×	Basis of the report			
1 11	×	Basis of the report			tep and industrial applicability
1 11 111	X	Basis of the report Priority Non-establishment	of opinion with regard to no	velty, inventive s	tep and industrial applicability
1 11	X	Basis of the report Priority Non-establishment of Lack of unity of inve	of opinion with regard to no ention of under Article 35(2) with re	velty, inventive st	tep and industrial applicability inventive step or industrial applicability;
 V V		Basis of the report Priority Non-establishment of Lack of unity of inverse relations and explar Certain documents	of opinion with regard to not ention at under Article 35(2) with re nations suporting such state scited	velty, inventive st	
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INTERNATIONAL PRELIMINARY **EXAMINATION REPORT**

International application No. PCT/US98/13280

I. Basis	f th	report
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١.	basis 1 th have been turnished to the receiving Office in
1.	This report has been drawn on the basis of (substitute sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to
	the report since they do not contain amendments.):

	This report has been di response to an invitation the report since they di	rawn on the basi on under Article i o not contain am	s of (subs 14 are refe endments	ferred to in this report as "originally filed" and are not annexed to is.):
	Description, pages:			
	1-17	as originally file	d	
	Claims, No.:			
	1-21	as originally file	ed	
2	. The amendments hav	ve resulted in the	cancellat	ution of:
	☐ the description,	pages:		
	☐ the claims,	Nos.:		
	\Box the drawings,	sheets:		
3	B. ☐ This report has to considered to go	been established beyond the disc	l as if (son closure as	me of) the amendments had not been made, since they have beer is filed (Rule 70.2(c)):
	4. Additional observation			
	V. Reasoned stateme applicability; citati	ent under Article ions and explan	ations su	ith regard to novelty, inventive step or industrial upporting such statement
	1. Statement			
	Novelty (N)	Yes: No:	Claims Claims	4-7,10,11,13,14,16,17 1-3,8,9,12,15,18-21
	Inventive step (IS)	Yes: No:	Claims Claims	
	Industrial applicabi	lity (IA) Yes: No:	Claims Claims	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US98/13280

2. Citations and explanations

see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:

see separate sheet

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

see separate sheet

Re item V

1 Citations

Reference is made to the following document:

D1: WO 97/15202 A

2 Novelty (Article 33(2) PCT)

Document D1 describes cleaning sanitizing methods and compositions suitable for fruits and vegetables.

The compositions have a pH of more than 9.5, preferably in the range of from 11.5 to 12.5 and comprise a basic carbonate buffer and optionally up to 0.2% anionic surfactant (see claims 1-4). The composition is safe even when the produce is not completely rinsed (see page 5, lines 23-29) and the treatment is carried out for at least about one minute (see page 14, lines 31 - page 15, line 5).

Thus, D1 already discloses all the features of claim 1.

The subject-matter of claims 2,3,8,9,12,15 (see the viscosity requirements page 10, lines 1-4), 18-21 is also known from D1.

It is pointed out that the expression of claim 21 "impure water" is not clear and well defined. It is hence considered that the water used in D1 is at least to some extend "impure".

3 Inventive step (Article 33(3) PCT)

The problem underlying the present invention can be seen in the provision of a method and composition for reducing the level of microorganisms on food products, wherein said food does not need to be rinsed before consumption and water which is not safe for use can be used for dilution.

It is not readily apparent, in view of the high number of optional or possible alternative components of the treatment solution (especially as disclosed in claims 2-6 and 8-14) how such result is achieved.

INTERNATIONAL PRELIMINARY International application No. PCT/US98/13280 EXAMINATION REPORT - SEPARATE SHEET

The subject-matter of claims 4-7,10,11,13,14,16,17 is however not disclosed or suggested in the available prior art and could therefore support the inventive step of a new independent claim.

Re item VII

Contrary to the requirements of Rule 5.1(a)(ii) PCT, the relevant background art disclosed in the document D1 is not mentioned in the description, nor is this document identified therein.

Re item VIII

Claim 1 does not meet the requirements of Article 6 PCT in that the matter for which protection is sought is not clearly defined. The claim attempts to define the subject-matter in terms of the result to be achieved which merely amounts to a statement of the underlying problem: "the composition being essentially free of any material that adversely affects safety or palatability, so that said food does not need to be rinsed before consumption". The technical features necessary for achieving this result are not disclosed. It should be noted that any independent claim must contain all the technical features essential to the invention (Article 6 PCT taken in combination with Rule 6(3)(b) PCT).

PCT/US 98/1328Q **RO/US** 2 0 NOV 1998

PATENT COOPERATION TREATY (Appointment of Agent or Common Representative) **POWER OF ATTORNEY**

2 7 JAN 1999 REC'U PCT WIPO

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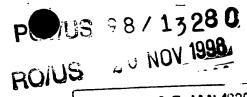
(Complete name and address)

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UNITED STATES RECEIVING OFFICE U.S. Registration No. Hasse, Donald E. Reed, T. David Hughett, Eileen L. 41,048 Guffey, Timothy B. 41.501 Hiland, Emelyn L.

as attorney/agent to act on his/her behalf, with full power of substitution, before all competent international authorities in connection with any and all international applications filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on behalf of the undersigned.

Signed at Cincinnah, Ohio



PATENT COOPERATION TREATY (Appointment of Agent or Common Representative) POWER OF ATTORNEY

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WIPO				F

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Reed, T. David	32,931
Hughett, Eileen L.	34,352
Guffey, Timothy B.	41,048
Hiland Emelyn L.	41,501

as attorney/agent to act on his/her behalf, with full power of substitution, before all competent international authorities in connection with any and all international applications filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on behalf of the undersigned.

Signed at

UNITED STATES RECEIVING OFFICE

PATENT COOPERATION TREATY (Appointment of Agent or Common Respresentative) POWER OF ATTORNEY

REU 2 7 JAN 1999 WIPO PCT

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(Complete name and address)

hereby appoint:

Hasse, Donald E. Reed, T. David Hughett, Eileen L. Dostie, George E.

as agents to act on his/her behalf, with full power of substitution, before the competent international authorities filed by him/her with either the United States Receiving Office or The International Bureau of W.I.P.O. Receiving Office and to make or receive payments on our behalf.

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